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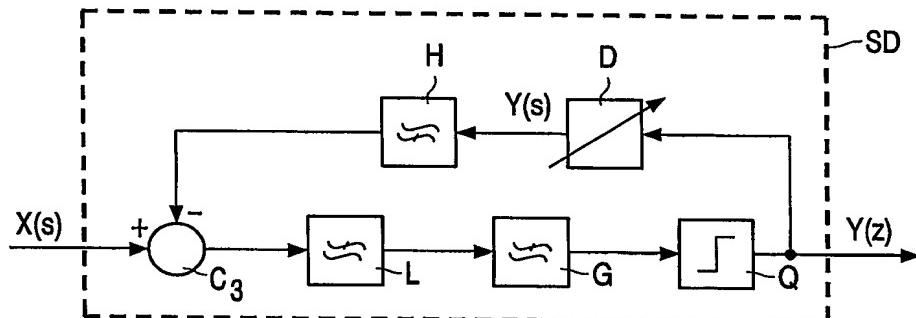
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(54) Title: AN ANALOG-TO-DIGITAL-CONVERTER COMPRISING A SIGMA-DELTA-MODULATOR AND RECEIVER WITH SUCH ANALOG-TO-DIGITAL-CONVERTER



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(57) Abstract: Analog-to-digital converter including a sigma-delta modulator (SD) with noise shaping filtering. Signal transfer filtering is introduced in the feedback loop of the sigma-delta modulator. This may be done without affecting the noise shaping filtering e.g. with a signal transfer filter (L) in the forward path of the feedback loop and a complementary signal transfer path (H) in the feedback path of the loop. The analog-to-digital converter may be used for channel filtering, FM-demodulation and/or image rejection in communication receivers.